

Figure A-362. Boeing 767-300ER, ACN/PCN Curves

ETL 1110-3-394

27 Sep 91

Aircraft Manufacturer Convair Division - General Dynamics

Aircraft Engine Manufacturer General Electric (CJ805-3B)

No. of Engines 4 Engine Rating 11,650 lb

Min. T/O Wt. 93.1 k-lb * Min. T/O Dist. @ Min. T/O Wt. 4,000 ft

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 193.0 k-lb Max. T/O Wt. War-Time 193.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 7,000 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 121.5 k-lb Max. Ldg. Wt. 155.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 4,500 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 5,500 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACK

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High		Medium	Low	Ultra	High		Very Low
	A	B	C	D	A	B	C	D
122	14	16	19	22	13	15	19	24
155	20	23	27	30	19	22	27	33
193	27	31	36	41	27	31	37	44

Figure A-363. General Dynamics/Convair 880

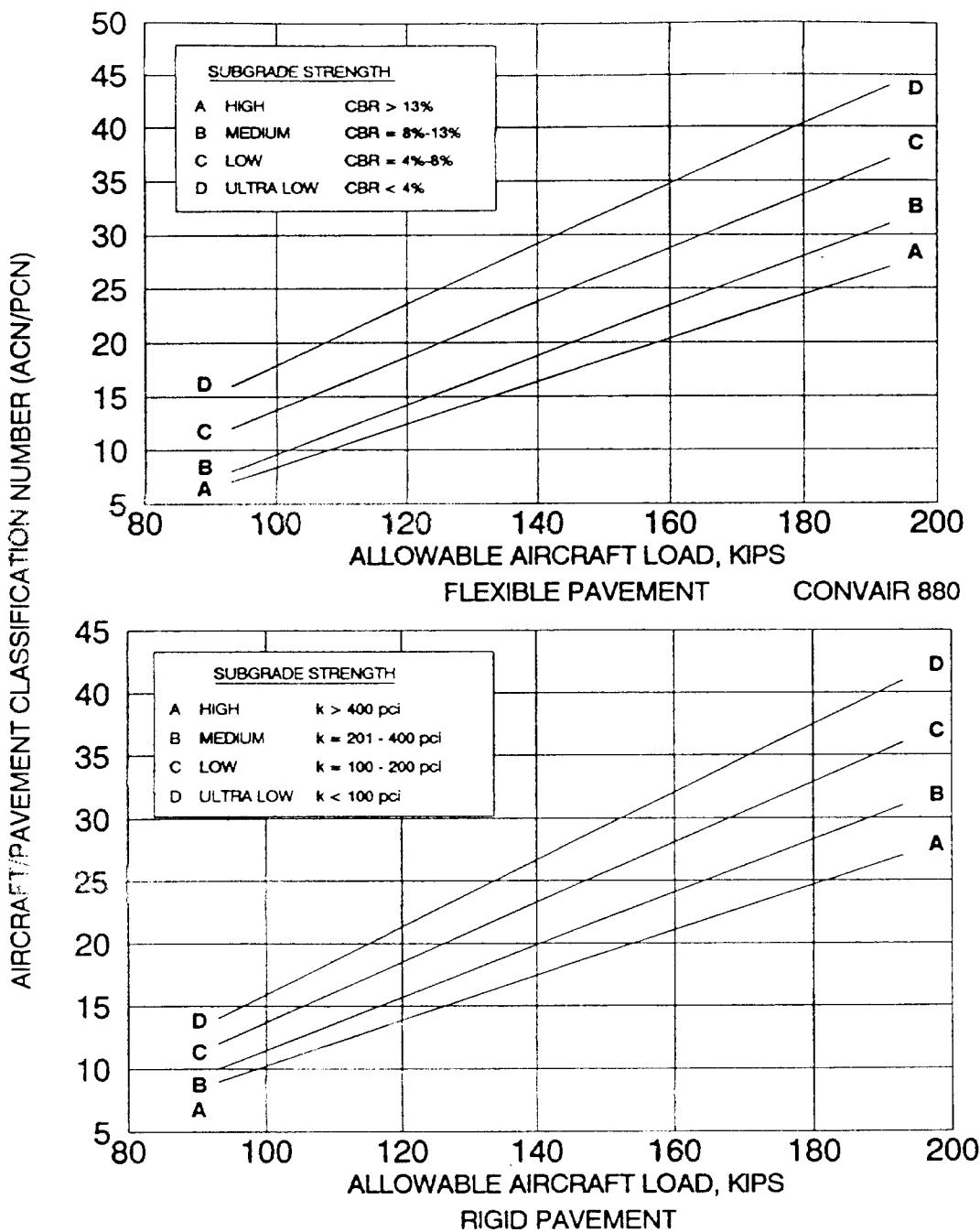


Figure A-364. General Dynamics/Convair 880, ACN/PCN Curves

27 Sep 91

Aircraft Manufacturer Convair Division - General DynamicsAircraft Engine Manufacturer General Electric (CJ805-23B)No. of Engines 4 Engine Rating 16,050 lbMin. T/O Wt. 120.0 k-lb * Min. T/O Dist. @ Min. T/O Wt. †* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †Max. T/O Wt. Peace-Time 253.0 k-lb Max. T/O Wt. War-Time 253.0 k-lb* Min. T/O Dist. @ Max. T/O Wt. War-Time 9,700 ft* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †Min. Ldg. Wt. 160.0 k-lb Max. Ldg. Wt. 202.0 k-lb* Min. Ldg. Dist. @ Min. Ldg. Wt. 5,000 ft* Min. Ldg. Dist. @ Max. Ldg. Wt. 5,600 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	Ultra				Very			
	High A	Medium B	Low C	Low D	High A	Medium B	Low C	Low D
160	22	26	30	33	22	24	29	36
202	31	36	40	45	30	34	40	48
253	41	48	54	60	40	45	53	64

Figure A-365. General Dynamics/Convair 990

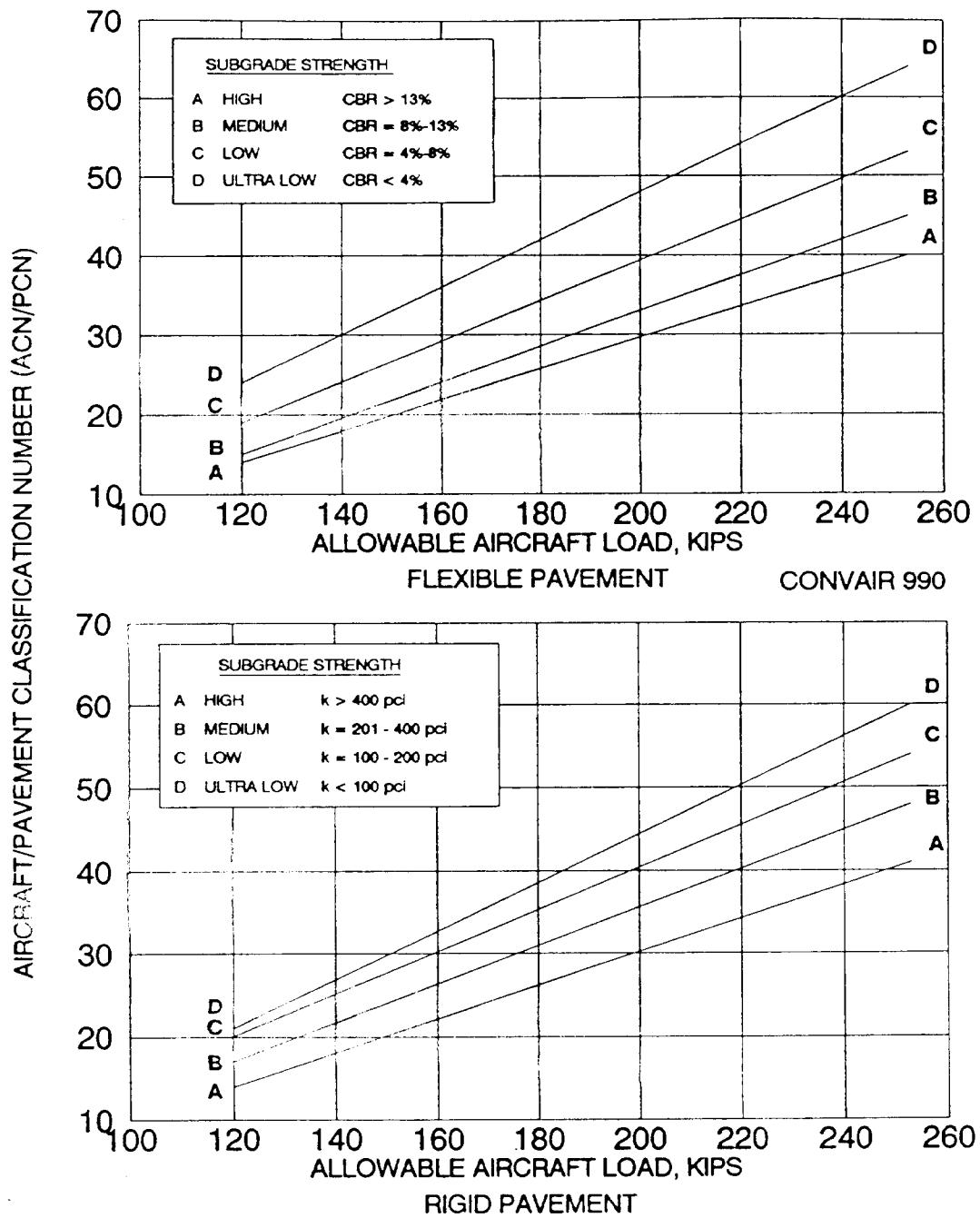


Figure A-366. General Dynamics/Convair 990, ACN/PCN Curves

ETL 1110-3-394

27 Sep 91

Aircraft Manufacturer Lockheed

Aircraft Engine Manufacturer Rolls-Royce (RB211-22B)

No. of Engines 3 Engine Rating 42,000 lb

Min. T/O Wt. 282.4 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 430.0 k-lb Max. T/O Wt. War-Time 430.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 8,000 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 339.1 k-lb Max. Ldg. Wt. 358.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 5,500 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 5,700 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	Ultra				High A	Medium B	Low C	Very Low D
	High A	Medium B	Low C	Low D				
339	32	36	43	50	35	39	46	62
358	34	39	46	54	38	42	50	67
430	43	49	58	70	50	54	64	88

Figure A-367. Lockheed L-1011-1, Tristar

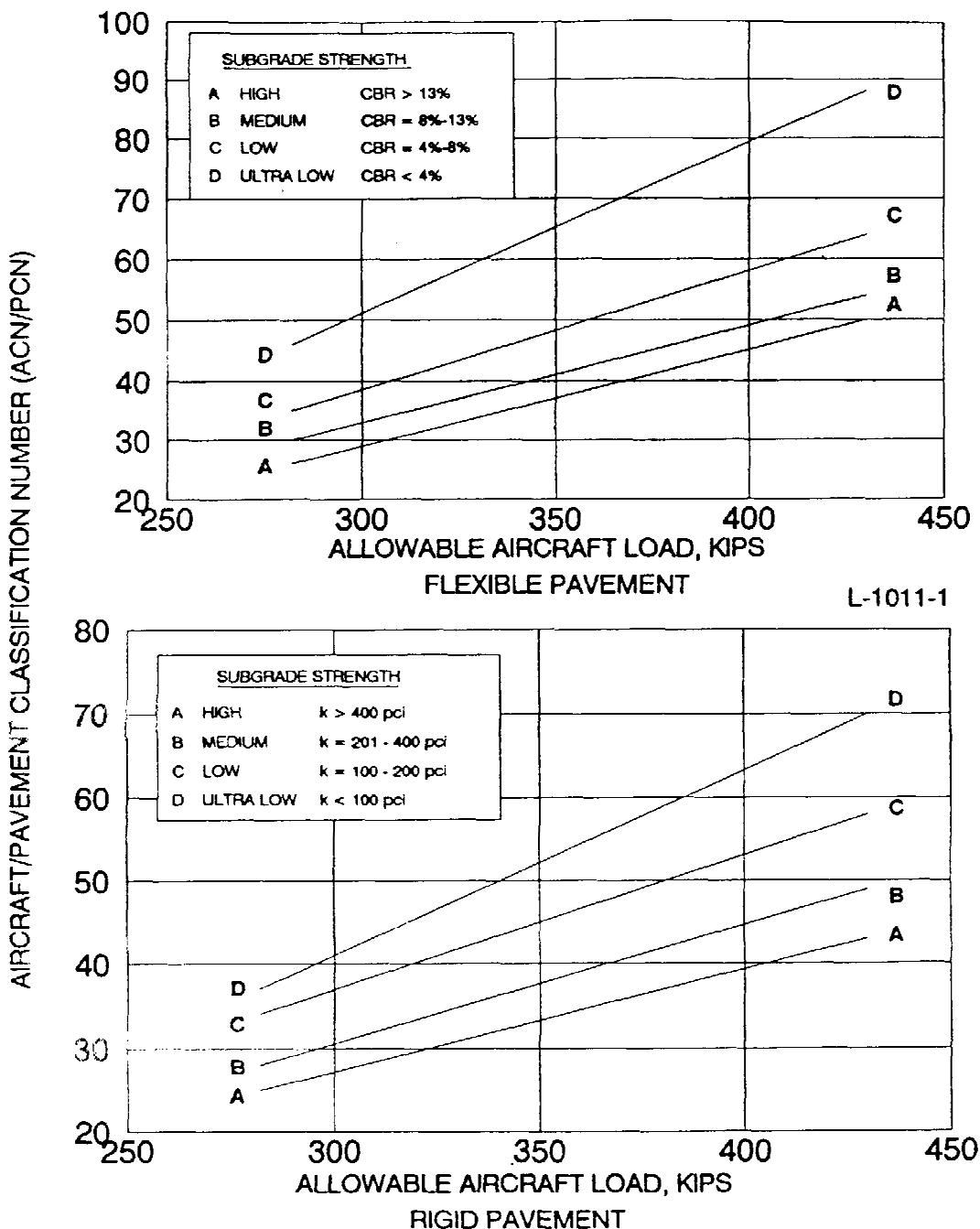


Figure A-368. Lockheed L-1011-1, ACN/PCN Curves

ETL 1110-3-394

27 Sep 91

Aircraft Manufacturer Lockheed

Aircraft Engine Manufacturer Rolls-Royce (RB211-22B)

No. of Engines 3 Engine Rating 42,000 lb

Min. T/O Wt. 290.7 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 466.0 k-lb Max. T/O Wt. War-Time 466.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 10,700 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 335.9 k-lb Max. Ldg. Wt. 368.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 5,400 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 5,800 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra D	High A	Medium B	Low C	Very Low D
336	32	36	42	49	35	38	45	61
368	36	41	48	56	40	44	52	70
466	49	55	65	77	56	61	73	99

Figure A-369. Lockheed L-1011-100, Tristar

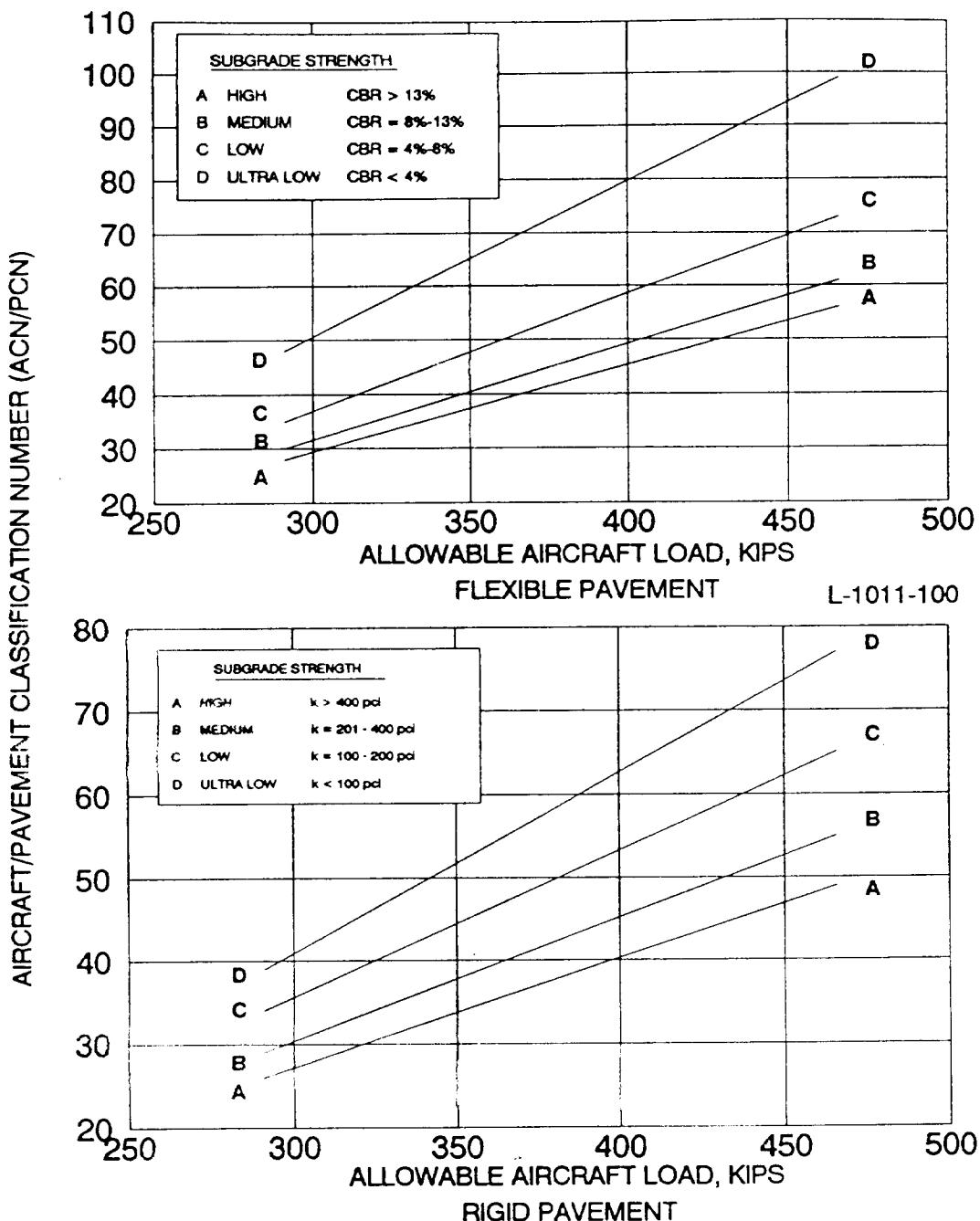


Figure A-370. Lockheed L-1011-100, ACN/PCN Curves

27 Sep 91

Aircraft Manufacturer LockheedAircraft Engine Manufacturer Rolls-Royce (RB211-524)No. of Engines 3 Engine Rating 48,000 lbMin. T/O Wt. 292.2 k-lb * Min. T/O Dist. @ Min. T/O Wt. †* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †Max. T/O Wt. Peace-Time 466.0 k-lb Max. T/O Wt. War-Time 466.0 k-lb* Min. T/O Dist. @ Max. T/O Wt. War-Time 8,000 ft* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †Min. Ldg. Wt. 335.9 k-lb Max. Ldg. Wt. 368.0 k-lb* Min. Ldg. Dist. @ Min. Ldg. Wt. 5,400 ft* Min. Ldg. Dist. @ Max. Ldg. Wt. 5,800 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
					Very			
	High A	Medium B	Low C	Ultra D	High A	Medium B	Low C	Low D
336	32	36	42	49	35	38	45	61
368	36	41	48	56	40	44	52	70
466	49	55	65	77	56	61	73	99

Figure A-371. Lockheed L-1011-200, Tristar

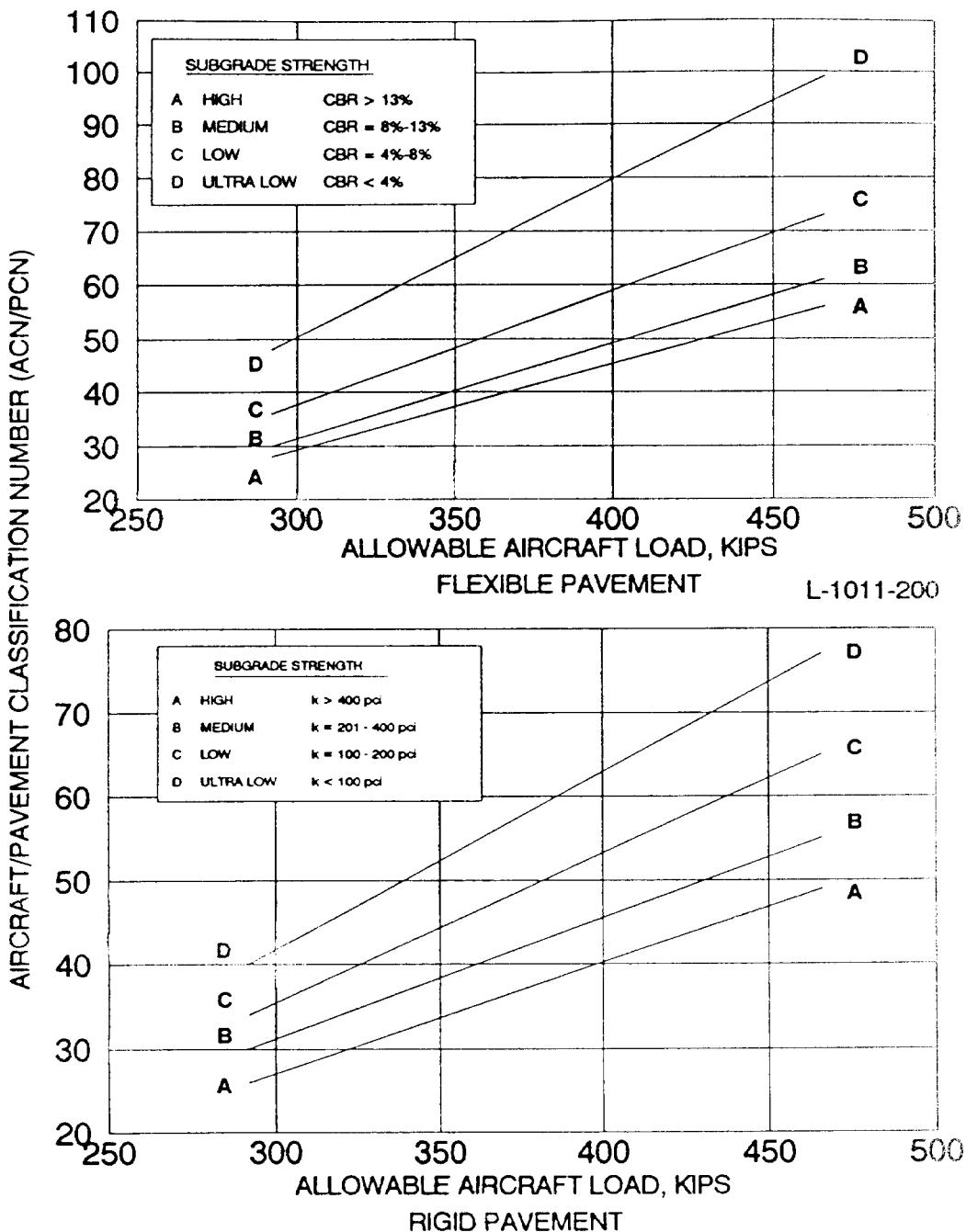


Figure A-372. Lockheed L-1011-200, ACN/PCN Curves

ETL 1110-3-394

27 Sep 91

Aircraft Manufacturer Lockheed

Aircraft Engine Manufacturer Rolls-Royce (RB211-524B)

No. of Engines 3 Engine Rating 50,000 lb

Min. T/O Wt. 297.1 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 496.0 k-lb Max. T/O Wt. War-Time 496.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 9,500 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 357.0 k-lb Max. Ldg. Wt. 368.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 5,600 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 5,800 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D
357	36	40	48	57	39	43	50	67
368	37	41	50	59	40	44	52	70
496	51	57	70	82	56	63	77	104

Figure A-373. Lockheed L-1011-500, Tristar

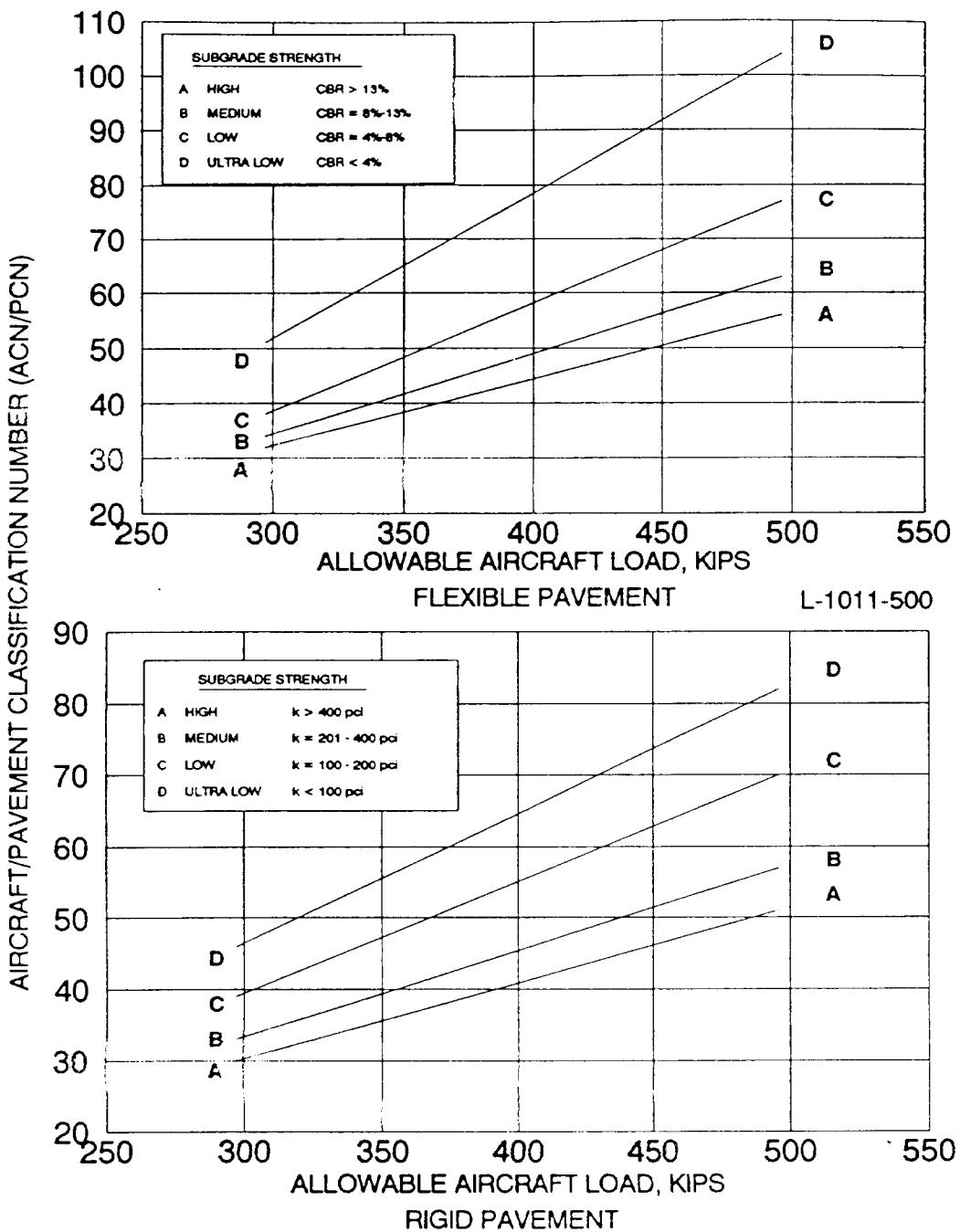


Figure A-374. Lockheed L-1011-500, ACN/PCN Curves

ETL 1110-3-394

27 Sep 91

Aircraft Manufacturer Lockheed

Aircraft Engine Manufacturer Rolls-Royce (RB211-524B)

No. of Engines 3 Engine Rating 50,000 lb

Min. T/O Wt. 297.1 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 496.0 k-lb Max. T/O Wt. War-Time 496.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 9,500 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 357.0 k-lb Max. Ldg. Wt. 368.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 5,600 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 5,800 ft

a. These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D
357	36	40	48	57	39	43	50	67
368	37	41	50	59	40	44	52	70
496	51	57	70	82	56	63	77	104

Figure A-375. Lockheed L-1011-500 (Extended Wing), Tristar

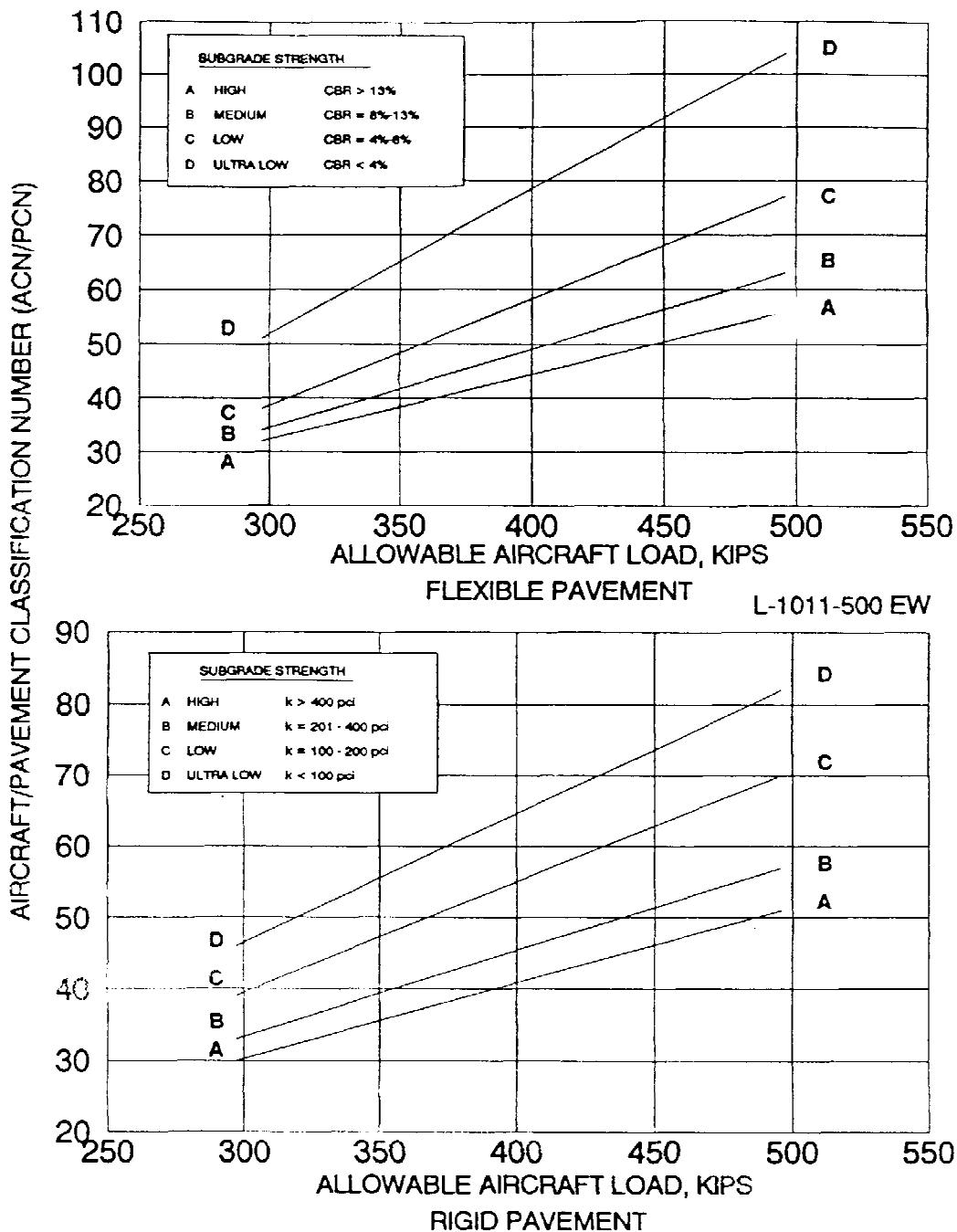


Figure A-376. Lockheed L-1011-500 (Extended Wing), ACN/PCN Curves

ETL 1110-3-394

27 Sep 91

Aircraft Manufacturer McDonnell Douglas

Aircraft Engine Manufacturer Rolls-Royce (Conway RCo. 12)

No. of Engines 4 Engine Rating 17,500 lb

Min. T/O Wt. 178.6 k-lb * Min. T/O Dist. @ Min. T/O Wt. 3,500 ft

Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 315.0 k-lb Max. T/O Wt. War-Time 315.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 9,600 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 192.2 k-lb Max. Ldg. Wt. 207.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 6,300 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 6,800 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	Ultra				Very			
	High A	Medium B	Low C	Low D	High A	Medium B	Low C	Low D
192	24	27	32	36	23	26	30	38
207	26	30	35	40	26	29	34	43
315	44	51	60	66	42	49	58	72

Figure A-377. McDonnel Douglas DC-8-43

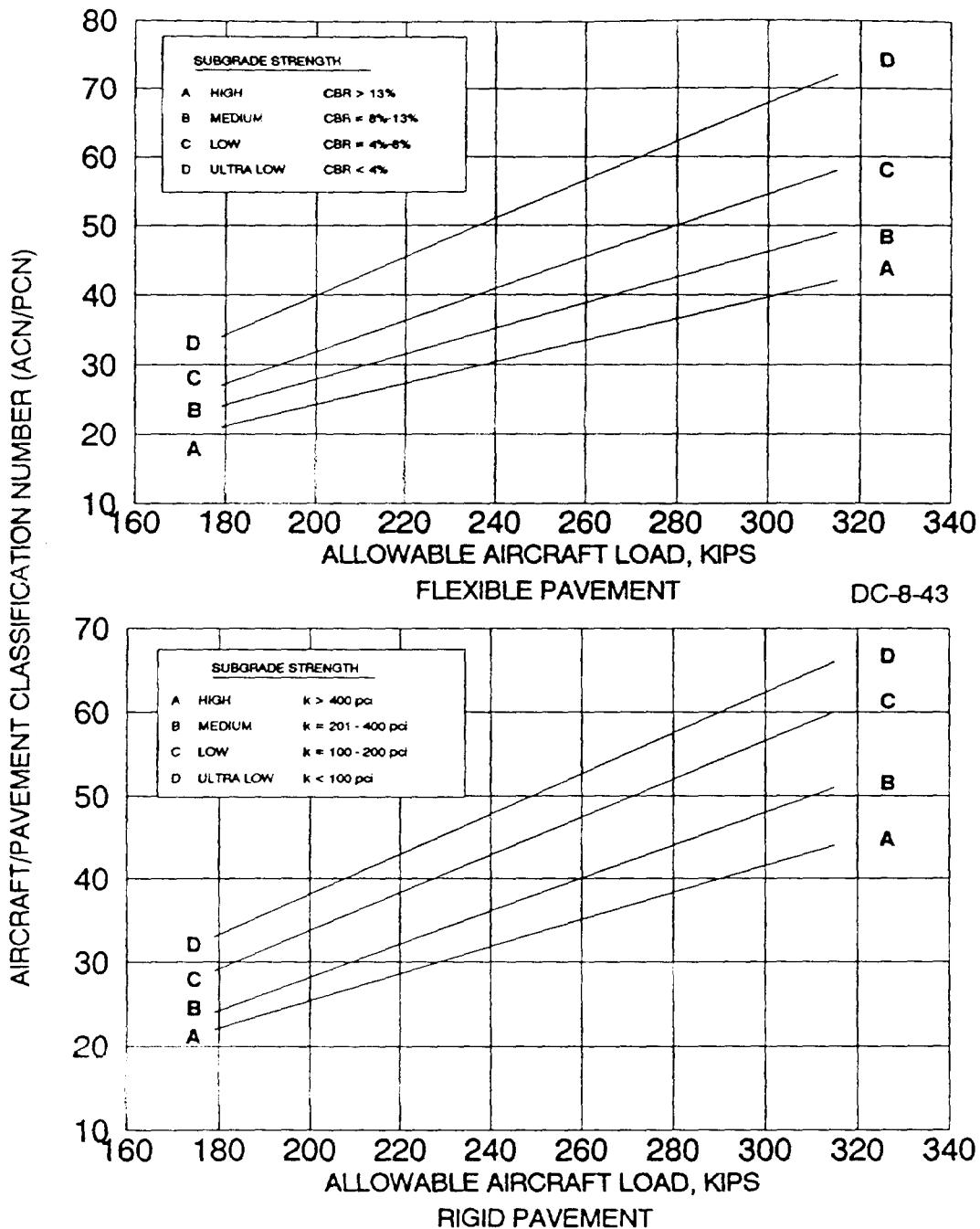


Figure A-378. McDonnell Douglas DC-8-43, ACN/PCN Curves

27 Sep 91

Aircraft Manufacturer McDonnell DouglasAircraft Engine Manufacturer Pratt and Whitney (JT3D-3B)No. of Engines 4 Engine Rating 18,000 lbMin. T/O Wt. 180.4 k-lb * Min. T/O Dist. @ Min. T/O Wt. 3,600 ft* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †Max. T/O Wt. Peace-Time 325.0 k-lb Max. T/O Wt. War-Time 325.0 k-lb* Min. T/O Dist. @ Max. T/O Wt. War-Time 10,000 ft* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †Min. Ldg. Wt. 204.0 k-lb Max. Ldg. Wt. 217.0 k-lb* Min. Ldg. Dist. @ Min. Ldg. Wt. 5,300 ft* Min. Ldg. Dist. @ Max. Ldg. Wt. 5,600 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High		Medium	Low	Ultra Low	High		Low
	A	B	C	D	A	B	C	D
204	26	29	34	39	25	28	33	42
217	28	32	37	42	27	31	36	45
325	45	53	62	68	44	50	60	74

Figure A-379. McDonnell Douglas DC-8-55

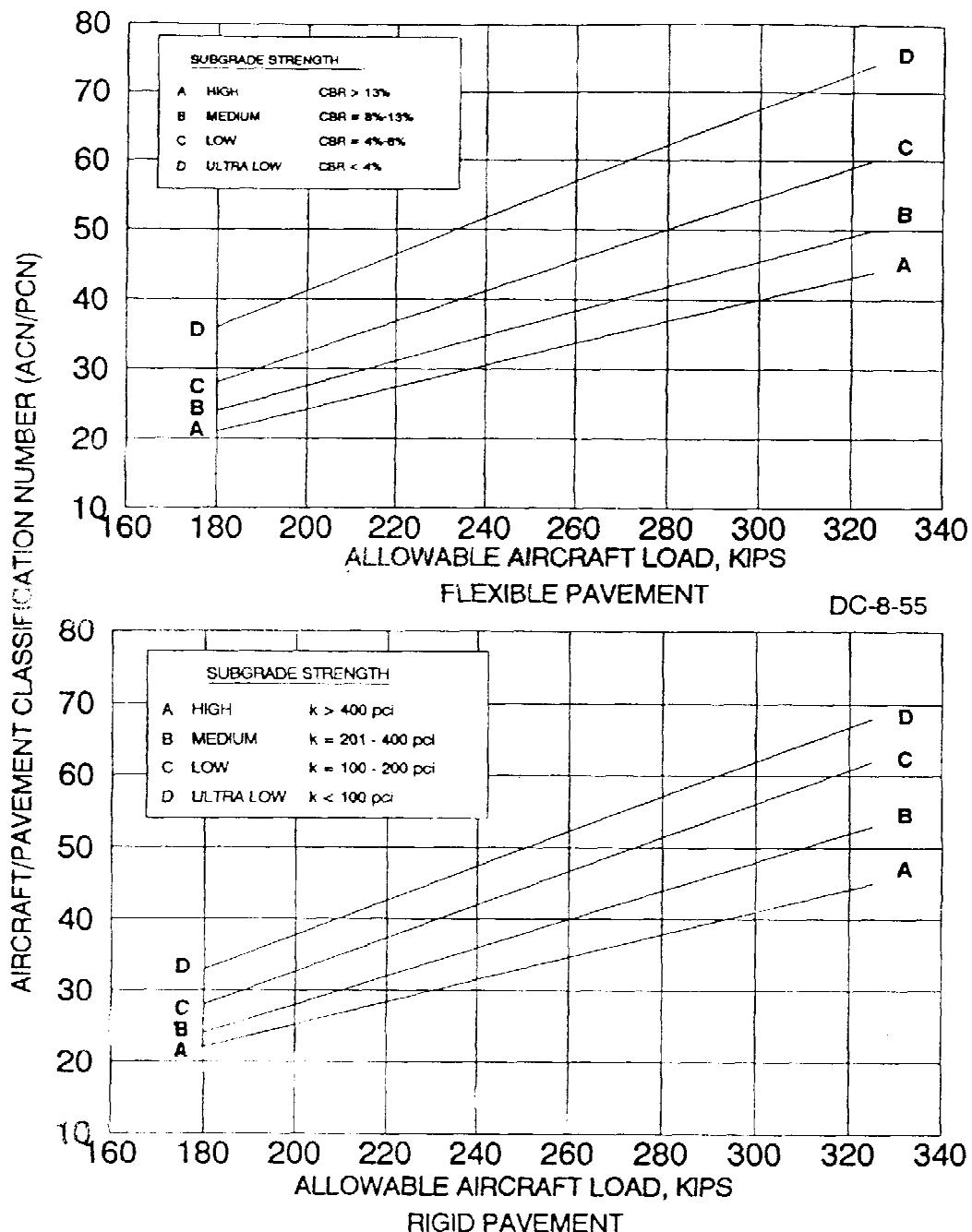


Figure A-380. McDonnell Douglas DC-8-55, ACN/PCN Curves

ETL 1110-3-394

27 Sep 91

Aircraft Manufacturer McDonnell Douglas

Aircraft Engine Manufacturer Pratt and Whitney (JT3D-3B)

No. of Engines 4 Engine Rating 18,000 lb

Min. T/O Wt. 173.3 k-lb * Min. T/O Dist. @ Min. T/O Wt. †

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 325.0 k-lb Max. T/O Wt. War-Time 325.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 10,000 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 238.0 k-lb Max. Ldg. Wt. 240.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 6,050 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 6,100 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades				
	High A	Medium B	Low C	Low D	Ultra	High A	Medium B	Low C	Very Low D
238	31	35	42	47		31	35	41	52
240	31	35	42	47		31	35	41	52
325	45	53	62	68		44	50	60	74

Figure A-381. McDonnell Douglas DC-8-55F